

GRAPHPLAN

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Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

parsePlanFULL	??
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Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

fifteen.Fifteen	??
parsePlanFULL.Graph	??
gui.GUI	??
fifteen.Node	??
parseplanSIMPLIFIED.SimplifiedGraph	??

Chapter 3

Namespace Documentation

3.1 parsePlanFULL Namespace Reference

Classes

- class [Graph](#)

3.1.1 Detailed Description

Plik zawierający implementację klasy [Graph](#) kreującej pełny graf dla zadanego problemu

Chapter 4

Class Documentation

4.1 fifteen.Fifteen Class Reference

Public Member Functions

- def **makePermutation** (self)
- def **checkPermutation** (self, board)
- def **Printer** (self)
- def **startGame** (self)
- def **makeAMove** (self, node)
- def **misplaced_heuristic** (self, board)
- def **distance_heuristic** (self, board)
- def **linear_heuristic** (self, board)
- def **Distance** (self, number)
- def **__init__** (self, n, m)
- def **__str__** (self)

Public Attributes

- **m**
- **n**
- **board**
- **seen**
- **queue**
- **moveNumber**

4.1.1 Detailed Description

Funkcja odpowiedzialna za przygotowanie planszy
@return board- przygotowana plansza

The documentation for this class was generated from the following file:

- fifteen.py

4.2 parsePlanFULL.Graph Class Reference

Public Member Functions

- `def __init__ (self, filename)`
Konstruktor klas [Graph](#) @params filename nazwa pliku, z którego zostanie wygenerowany graf.
- `def generateArcs (self, actions, g, level)`
- `def generateMutexArcs (self, variables, g, level)`
- `def generateLayer (self, name, variables, g, level, type)`
- `def readInput (self, filename)`
- `def parseInput (self, file, g)`
- `def parsePlan (self, plan)`
- `def colorUsedActions (self, plan, max_level, g)`
- `def planWoPersist (self, plan)`
- `def run_all (self)`

Public Attributes

- `filename`
- `plan`

The documentation for this class was generated from the following file:

- `parsePlanFULL.py`

4.3 gui.GUI Class Reference

Public Member Functions

- `def __init__ (self)`
- `def clear_boards (self)`
- `def convert (self, value)`
- `def get_graph (self)`
- `def SquaresENV (self, robots, n, goal)`
- `def GRAPHPLAN3x3 (self)`
- `def GRAPHPLAN4x4 (self)`
- `def GRAPHPLANCargo (self)`
- `def initMenu (self)`
- `def setValue (self, value, popup, options)`
- `def assign (self, button, popup)`
- `def drawBoard4x4 (self)`
- `def drawBoard3x3 (self)`
- `def assign_table (self, index, popup, button, blocks)`
- `def chose_table (self, button, canvas, blocks)`
- `def add_block (self, canvas, blocks, panel)`
- `def add_table (self, canvas, blocks, font_used)`
- `def cargoBOT (self)`
- `def printGraph (self, plan)`

Public Attributes

- **chosen_option**
- **pressed_button**
- **buttons**
- **cargo_blocks_left**
- **cargo_blocks_right**
- **cargo_button**
- **image**
- **root**
- **menu_frame**
- **left_panel**
- **right_panel**
- **helv36**
- **menu_font**

The documentation for this class was generated from the following file:

- gui.py

4.4 fifteen.Node Class Reference

Public Member Functions

- **def __init__** (self, board, functionValue, moveNumber, previous)
- **def Printer** (self)
- **def __lt__** (self, other)
- **def __str__** (self)

Public Attributes

- **board**
- **functionValue**
- **moveNumber**
- **previous**

4.4.1 Detailed Description

Funkcja odpowiedzialna za inicjalizację obiektu klasy Node
@param board- plansza
@param functionValue- wartość funkcji heurystycznej
@param moveNumber- numer ruchu (zagłębienie w grafie)
@param previous- poprzedni stan

The documentation for this class was generated from the following file:

- fifteen.py

4.5 parseplanSIMPLIFIED.SimplifiedGraph Class Reference

Public Member Functions

- `def __init__ (self, filename)`
- `def return_plan (self)`
- `def generateArcs (self, actions, g, level)`
- `def generateMutexArcs (self, variables, g, level)`
- `def generateLayer (self, name, variables, g, level, type)`
- `def readInput (self, filename)`
- `def parseInput (self, file, g)`
- `def parsePlan (self)`
- `def colorUsedActions (self, plan, max_level, g)`
- `def removeNegations (self, g)`
- `def run_all (self)`

Public Attributes

- `filename`
- `plan`

The documentation for this class was generated from the following file:

- `parseplanSIMPLIFIED.py`